

Special Issue

10th Anniversary of *JCDD*— Basic and Translational Cardiovascular Research

Message from the Guest Editors

In the past decade, significant progress has been made in cardiovascular biology, leading to potential clinical treatments. iPSCs are now used to model heart diseases, with patient-derived cells becoming cardiomyocytes to uncover pathogenic mechanisms. While 2D cultures are limited, 3D cardiac organoids have emerged, offering a more accurate representation of heart tissue. These organoids can self-organize into structures resembling heart chambers, providing insights into development and congenital heart diseases. Single-cell sequencing has revealed various heart cell lineages, identifying those most affected by disease, aiding in drug development. High-throughput sequencing has also advanced our understanding of the genetic causes of heart diseases. Further exploration of these technologies in cardiovascular development is needed. This Special Issue aims to review the latest in basic and translational cardiovascular research, inviting submissions including original research, reviews, and commentaries on cardiac biology in health and disease.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



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About the Journal

Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to JCDD undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. JCDD guarantees fast dissemination of results to a large scientific audience

Editor-in-Chief

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